

Appl No.: 10/649,288

Atty. Dkt.
PC-802

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9(Canceled).

Claim 10(Currently Amended). A method of mixing and applying a corrosion resistant barrier coating to an existing piping system in a multi-story building, comprising the steps of:

isolating the pipes in the existing multi-story piping system;
generating air into the pipes;
introducing a nonliquid cleaning agent that includes an abrasive medium into the generated air;
cleaning the pipes with the a nonliquid agent ;
mixing an epoxy material to form a barrier coating;
applying the barrier coating to interior walls of the pipes without dismantling all of the piping system, wherein the barrier coating provides an interior barrier for protecting the interior walls of the pipes; and
restoring the pipes of the existing piping system to service is less than within approximately twenty four hours to approximately ninety six hours.

Claim 11(Currently Amended). The method of claim 10, wherein the step of applying includes the steps of:

inserting the barrier coating into the pipes having diameters of approximately 3/8 of an inch to approximately 6 inches and greater.

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Claim 12(Currently Amended). The method of claim 10, further comprising the step of:

providing a layer of the coating to be no less than approximately 4 mils.

Claim 13(Original). The method of claim 10, wherein the pipes include: hot water pipes.

Claim 14(Original). The method of claim 10, wherein the pipes include: cold water pipes.

Claim 15(Original). The method of claim 10, wherein the pipes include: drain lines.

Claim 16(Original). The method of claim 10, wherein the pipes include: fire sprinkler pipes.

Claim 17(Original). The method of claim 10, wherein the pipes include: natural gas lines.

Claim 18(Original). The method of claim 10, wherein the pipes include: HVAC pipes.

Claims 19-24(Canceled).

Claims 25-42(Canceled).

Claim 43(New). The method of claim 10, further comprising the step of:
providing a compressed air stream as the generated air.

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Claim 44(New). The method of claim 10, further comprising the step of:
providing sand as the abrasive medium.

Claim 45(New). The method of claim 10, further comprising the steps of:
providing a compressed air stream as the generated air; and
providing sand as the abrasive medium.

Claim 46(New). The method of claim 10, further comprising the step of:
collecting the abrasive medium and debris from the pipes with a collector.

Claim 47(New). The method of claim 46, wherein the collecting step includes the step of: generating a vacuum in the pipes with the collector.

Claim 48(New). A method of cleaning and applying a corrosion resistant barrier coating to an existing building piping system, comprising the steps of:
isolating the pipes in the existing building piping system;
generating air into the pipes;
introducing a nonliquid cleaning agent having an abrasive medium into the air;
cleaning the pipes with the nonliquid agent ;
applying a barrier coating to interior walls of the pipes so that the barrier coating provides an interior barrier for protecting the interior walls of the pipes; and
restoring the pipes of the existing building piping system to service.

Claim 49(New). The method of claim 48, wherein the applying step includes the step of:
providing an epoxy coating as the barrier coating.

Claim 50(New). The method of claim 48, wherein the applying step includes the step of:

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applying a layer of approximately 4 mils in thickness.

Claim 51(New). The method of claim 48, wherein the pipes have diameters of approximately 3/8 of an inch to approximately 6 inches.

Claim 52(New). The method of claim 48, wherein the restoring step includes the step of: restoring the pipes to service within approximately 24 to approximately 96 hours.

Claim 53(New). The method of claim 48, further comprising the step of: providing compressed air as the generated air.

Claim 54(New). The method of claim 48, further comprising the step of: providing sand as the abrasive medium.

Claim 55(New). The method of claim 48, further comprising the steps of: providing compressed air as the generated air; and providing sand as the abrasive medium.

Claim 56(New). The method of claim 48, further comprising the step of: collecting the abrasive medium and debris from the pipes with a collector.

Claim 57(New). The method of claim 56, wherein the collecting step includes the step of: generating a vacuum in the pipes with the collector.

Claim 58(New). A method of cleaning and applying a corrosion resistant barrier coating to an existing building piping system, comprising the steps of: isolating the pipes in the existing building piping system;

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passing an air stream through the pipes;
introducing an abrasive cleaning agent into the air stream;
cleaning interior walls of the pipes with the abrasive cleaning agent;
collecting resulting debris from the cleaning of the pipes;
applying a coating to interior walls of the pipes to provide an interior barrier for
protecting the interior walls of the pipes so that the pipes of the existing building piping
system can be restored to service.

Claim 59(New). The method of claim 58, where the collecting step includes the step of:
generating a vacuum in the pipes with the collector.

Claim 60(New). The method of claim 58, where the passing step includes the step of:
generating a compressed air stream into the pipes.

Claim 61(New). The method of claim 58, where the introducing step includes the step
of: introducing sand as the abrasive cleaning agent.